

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 1 and 6 have been amended. No new matter is being presented, and approval and entry are respectfully requested.

Claims 1-7 are pending and under consideration.

REASONS FOR ENTRY OF AMENDMENT AFTER FINAL:

It is respectfully requested that this Amendment under 37 CFR §1.116 be entered and reconsideration given to the allowability of the pending claims. It is respectfully submitted that no new issues have been presented herein by the above claim amendments. As indicated in the previous response, the present invention is directed toward converting symbols and characters into music staff notation data. And as previously set forth, the references and corresponding rejections utilized in the present and previous rejection only deal with transcribing inputted music staff notation data to an output of music staff notation data. In applicant's previous response applicant argued this point by pointing out neither cited reference discussed a converting of inputted symbols or characters. In the present Amendment Under 37 CFR §1.116, applicant is merely clarifying what was previously argued and that which is clearly within the scope of the present invention, as disclosed in the present specification. Independent claim 1 has been merely amended to clarify that the converted data is "character or symbol" data, which does not correspond to the musical data set forth in the cited references. Independent claim 6 has been amended to further exemplify that the character or symbol data is not musical staff data, as it is in the cited references.

Therefore, it is respectfully submitted that the aforementioned amendments to independent claims 1 and 6 do not raise new issues, as such issues have been previously set forth, and respectfully requested that this Amendment Under 37 CFR §1.116 be entered.

OBJECTION TO THE DECLARATION:

The declaration stands objected to for improperly indicating the priority claim. A Substitute Declaration has been filed concurrently herewith with proper priority indications. Therefore, it is respectfully requested that this objection be withdrawn.

OBJECTION TO THE DRAWINGS:

FIG. 8 has been objected to for failing to properly label elements 5-7. In a corresponding Letter to the Examiner, a corrected FIG. 8 has been respectfully submitted. As illustrated in the corrected FIG. 8, element boxes 5-7 have been labeled, and the previously proposed changes to the remaining elements in FIG. 8 have also been made. Lastly, it is noted that reference number 9, indicating a branch path, has been added to FIG. 8, between elements Keyboard 1 and switch 13.

Reconsideration and withdrawal of the outstanding objection to FIG. 8 is respectfully requested.

REJECTION UNDER 35 U.S.C. § 103(a):

Claim 1 stands rejected under 35 U.S.C. §103(a) as being obvious over Satoh et al., U.S. Patent No. 5,038,659, in view of Tanimoto, U.S. Patent No. 4,450,743. This rejection is respectfully traversed.

By way of review and as an example, independent claim 1 sets forth a data processor using a note code table to correspond input "**character or symbol**" data with scales of music staff notation. The note code table corresponds data input into the data processor with "**character or symbol**" data *and* scales of music staff notation. A note decoder decodes inputted "**character or symbol**" data to correspond to the scale code data using the note code table, a note code storage device stores the decoded input data as music staff notation data, and an outputting means outputs the stored music staff notation data.

Independent claim 6, also as an example, sets forth that the inputted character or symbol data is a non-music staff data.

Satoh et al. sets forth a method of changing a layout of musical score according to an arithmetic calculation based on inputs from both a standard musical keyboard and a function keyboard. The function keyboard is used for entering note duration data and other musical score constituting data, **but does not disclose an entering of character or symbol data**, as defined in the present application.

As noted in the Office Action, Satoh et al. at least fails to disclose the claimed note code table. In the present invention, characters and symbols on the keyboard are converted to each

scale of the note staff using the claimed note code table.

Tanimoto discloses a conversion table for converting an musically related input key to a code to be entered into a register for determination of a pitch of an entered musical note. In addition, the converted input key is also related to the duration of the entered note. However, Tanimoto **does not disclose an entering of character or symbol data**, as defined in the present application.

Thus, it is respectfully submitted that the combination of Tanimoto and Satoh et al. fails to disclose or suggest the presently claimed invention as recited in independent claims 1 and 6.

As noted above, both Tanimoto and Satoh et al. are concerned with a music data processor, with the data being entered thereto being music data. Whereas, as set forth in independent claims 1 and 6, the claimed data being entered into the claimed data processor is "character or symbol" data. Further, the entering and conversion of the claimed character or symbol data has been clearly set forth in the present specification, and thus should be given the same meaning herein.

Therefore, for at least the above, it is respectfully requested that this rejection of independent claims 1 and 6 be withdrawn and independent claims 1 and 6 be allowed. In addition, for at least similar rationale, it is respectfully submitted that claims depending from independent claims 1 and 6 are also in proper condition for allowance.

CONCLUSION:

In accordance with the foregoing, it is respectfully submitted that all outstanding objections and rejections have been overcome and/or rendered moot. And further, that all pending claims patentably distinguish over the prior art. Thus, there being no further outstanding objections or rejections, the application is submitted as being in condition for allowance which action is earnestly solicited.

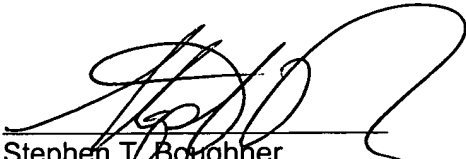
If the Examiner has any remaining informalities to be addressed, it is believed that prosecution can be expedited by the Examiner contacting the undersigned attorney for a telephone interview to discuss resolution of such informalities.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Date: 7/2/01

By: ✓

Respectfully submitted,
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Marked-Up Claim Changes

1. (TWICE AMENDED) A data processor using a computer and a staff notation comprising:

a keyboard for input of character or symbol data into said data processor;

a note code table to correspond the inputted character or symbol data input [data input] into said data processor with character or symbol data and [computer with] scales of music staff notation;

a note decoder to decode [input] the inputted character or symbol data to corresponded to scale code data using said note code table;

a note code storage device to store output data from said note decoder in order as music staff notation data; and

an outputting means for outputting the music staff notation data from the note code storage device.

6. (ONCE AMENDED) A data processor, comprising:

a note code table to correlate non-music staff character or symbol data input into the data processor with scales of music staff notation;

a note decoder to convert input data to scale code data using said note code table;

an output unit to output the converted input data.